



SURFACE MINING & RECLAMATION SUBMITTAL REQUIREMENTS

A. ITEMS REQUIRED FOR FILING:

- ☐ 1. Completed Application Form.
- ☐ 2. Processing fees:
 - a. Deposit required – actual cost charged.
 - b. Per acre digitized mapping fee of \$220.00 for less than 50 acres or \$555.00 for 50 acres and more.
 - c. Public Notice fee of \$135.00
 - d. Scanning fee \$47.00
 - e. County Clerk processing fee of \$50.00 to be paid at time of application submittal.
 - f. Fish & Wildlife Negative Declaration fee of \$2,216.25 (to be determined at PRC); or
 - g. Fish & Wildlife EIR fee of \$3,078.25 (to be determined at PRC)
- ☐ 3. Completed Environmental Information Form with:
 - h. Photographs of site and surrounding area (a minimum of 4 site and 4 surrounding) labeled north, east, south, west and mounted on 11 x 14" paper.
 - i. Environmental Impact Assessment fee
\$3,395 Mitigation Fee
\$340 exemption
"Full Cost" environmental impact report
- ☐ 4. Thirty (30) copies of project description.
- ☐ 5. Thirty (30) full size folded copies of:
 - a. Mining Plan per CMC 19.08.030.
 - b. Reclamation Plan per CMC 19.08.040.
 - c. Cost Estimates per CMC 19.08.050.
- ☐ 6. Noticing package which includes:
 - a. Separate lists of property owners' names, addresses and assessors parcel numbers within 500 feet of subject site, prepared and certified by a licensed Title Company prepared from latest tax roll.
 - b. List of property occupants addresses (when owner mailing address is different than property address) and assessor parcel numbers for properties contiguous to the site.
 - c. Assessor's maps showing the site and indicating the properties listed in the 500-foot radius.
 - d. Three sets of gummed mailing labels for 500-foot property owner list.
- ☐ 7. A letter signed and dated by applicant explaining how the request meets all the following criteria necessary to granting a Surface Mining Permit per Section 19.08.100 of city's code:
 - a. The proposed mining operations will not be detrimental to the public health, safety or general welfare and will be in harmony with various elements and objects in the city's general plan;
 - b. The mining operations will be located in a zone in which such operations are a permitted use;
 - c. The site for the intended mining operations is adequate in size and shape to accommodate those operations and the intended reclamation of the mined lands;
 - d. The site for the proposed mining operations relates properly to streets and highways that are designed to carry the type and quality of traffic that will be generated by those operations;
 - e. The mining operations will not pose a threat to the city's groundwater resources, or have any adverse impact upon the city's ability to utilize those resources.

- f. The reclamation plan is sufficient in all respects to prevent or mitigate any adverse effects on the environment caused by the mining operations, and gives adequate consideration to values relating to groundwater supply, recreation, watershed, wildlife, range and forage, and aesthetic enjoyment;
 - g. The reclamation of the mined lands pursuant to the reclamation plan adequately provides for the protection and subsequent beneficial use of the mined lands, by ensuring that the land is returned to a usable condition which is readily adaptable for alternative land use and the land and/or resources to be reclaimed will be stored to a condition that is compatible with, and blends with, the surrounding natural environment, topography and other resources or suitable off-site development will compensate for related disturbances to resource values;
 - h. The reclamation plan complies with SMARA and the state regulations: and
 - i. All procedures required by the California Environmental Quality Act have been completed, and all other laws have been complied with.
- ☐ 8. Statement of Responsibility: The applicant and/or his representative must sign and date the following statement of responsibility prior to county approval of the permit.

I certify that the above information in this Reclamation Plan application is correct, to the best of my knowledge and that all of the owners of possessory interest in the property in question have been notified of the proposed uses or potential uses of the land after reclamation. I also certify that I personally accept responsibility for reclaiming the mined lands in accordance with the reclamation plan and within the time limits of said plan.

Signature of Applicant or Representative

Print Name

Date

- ☐ 9. Proof of ownership (i.e., latest Grant Deed).
- ☐ 10. Letter of authorization from the property owner if different than applicant.
- ☐ Submit one (1) CD containing the following information organized in the following folders:
 - a. Application Materials: Including but not limited to a completed application, environmental application, grant deeds, noticing package, letter of authorization, photographs, statement of responsibility and applicant letter.
 - b. Technical/Environmental Studies if applicable.
 - c. Plans: Mining and reclamation plans.

B. NOTICE TO APPLICANTS:

1. This application will not be accepted for submittal until Development Plan Review and screencheck are completed.
2. Acceptance of application at the counter does not represent a complete application. California Government Code Section 65943 provides for 30 days in which the city can review the application and determine completeness. The applicant will be sent a letter during this time period stating the application is complete or that additional items are necessary.
3. It is recommended that applicant, representative or property owner should be present at all hearings.
4. All correspondence and reports will be mailed to the project proponent only.
5. If you have any questions regarding the above, please call the Community Development Department at: (909) 736-2262.
6. All plans or maps submitted shall be folded to a maximum size of 8 x 14" with the title block visible.

C. ATTACHMENTS:

1. CMC Section 19.08 & 19.12

EXHIBIT "A"
SURFACE MINING
MINING PLAN CHECKLIST

(The following information must be included on the Mining Plan, Exhibit "A").

1. Name of Mine.
2. Mineral commodity to be mined.
3. Name, address and telephone number of the following personnel:
 - a. Mine operator
 - b. Land owner
 - c. Applicant
 - d. Representative
 - e. Owners of mineral rights
 - f. Civil engineer
 - g. Soil engineer
 - h. Geologist
 - i. Map prepare
 - j. Lessee
4. Acreage of area to be mined, north arrow, scale, source of map, date of map preparation, and date of latest revision.
5. Property boundary lines, dimensions, location of adjoining lot lines, and vicinity map showing relationship to the surrounding area.
The property corners must be monument and easily identified by inspection personnel.
6. Topographic details of the site showing pre-mining and post-mining intervals as follows:-9%; 10%, Interval – 2', 5'; 10'.
7. Existing zoning, proposed zoning.
8. Existing uses on and immediately adjacent to property including structures.
9. Name of utility surveyors (electricity, gas, water, sewer, and telephone).
10. Show names, widths, improvements and gradients of ingress and egress including documented or proposed legal access to the property from a county-maintained road. Also show any proposed private streets.
11. Location and nature of proposed and existing fencing, gates, walls, driveways, curbs and signs, including dimensions.
12. Location of all streams, roads, railroads, sewage disposal systems, water wells, utility facilities and easement within 500 feet of site.
13. Location and boundaries of areas to be mined, waste dumps, stockpiles, tailing ponds, retarding basins, and settling ponds.
14. Depict separate mining phases where applicable, including dates.
15. Location and description of operating equipment and structures.

16. Progression of stripping and excavating through the use of cross sections of elevations, including dates. Cross sections should also show extent of overburden, mineral deposits, groundwater level, and details of the working face of the operation.
17. Maximum anticipated depth of excavation.
18. Anticipated mining of mineral commodity and waste material of volume and weight per year, per phase, and during life of permit, including dates.
19. Environmental resources, such as earthquake faults, Alquist-Priolo Special Studies Zones, County Fault Hazard Zones, Liquefaction Hazard Areas, blowsand hazard, fire hazard, life hazard areas, 100 year floodplains, and areas subject to overflow, inundation and flooding.
20. Environmental resources, such as agricultural lands, scenic highways, historic resources, prehistoric resources, mineral resources, geothermal resources, wind resources, solar resources, hydroelectric resources, hydrocarbon resources, critical wildlife areas, critical vegetation areas.
21. Designation on City's General Plan.
22. Assessors parcel number(s) and legal description.
23. Location of processing and storage areas.
24. Location, width and direction of flow of all drainage courses.
25. Location and details of facilities to control on-site storm runoff, erosion and sedimentation, such as water courses, culverts, drain pipes, settling ponds, retarding basins, ditches and dikes. Include data on amount of runoff and gradients of facilities.
26. Any land or right-of-way to be dedicated to public use, railroads and other.
27. Location and dimensions of mining setbacks.

EXHIBIT "B"
SURFACE MINING
RECLAMATION PLAN CHECKLIST

(The following information must be included on the Reclamation Plan, Exhibit "B").

1. North arrow, scale, date of map preparation, source of map, date of latest revision.
2. Name and address of applicant, representative, landscape architect.
3. Cross sections through cuts, fill and drainage.
4. Boundaries of areas to be reclaimed, including acreage.
5. Original ground surface contours (Pre-mining).
6. Post mining ground surface contours.
7. Reclaimed ground surface contours.
8. Original and post reclamation drainage including critical areas within or near the project area such as lakes, streams or wetlands. Show direction of flows with arrows.
9. Erosion and sediment control structures of treatment such as water bars, berms, siltation ponds, diversions, etc.
10. Landscaping including names of plan species, size and spacing of plants, and the method of planting and irrigation.
11. Illustrate the ultimate physical condition of the site and specify proposed uses or potential uses of the mined land as reclaimed.
12. Illustrate the sequence and timing for reclaiming the land to its end state using diagrams and/or cross sections as necessary. Include dates for the beginning of reclamation, the various phases and the final completion.
13. Post-mining safety features such as fences, gates, signs, etc.

EXHIBIT "C"
SURFACE MINING
PROJECT DESCRIPTION CHECKLIST

(The following information must be submitted in written form supplemented with graphics to illustrate descriptions).

Site and Area Characteristics

1. Access – Describe access to site.
2. Land Use – Describe existing land use of site and surrounding area, including distance to nearest residential development
3. Visibility – Describe the visibility of the proposed operation from surrounding area, considering highways, residences, commercial developments and recreation areas. Discuss proposed mitigation, considering landscaping, berms, fences, and modification of operation, etc.
4. Geology
 - a. Describe geology of the site and surrounding area, considering principal rock formations, overburden materials, principal ore minerals and principal rock formations, overburden materials, principal ore minerals and principal non-ore minerals.
 - b. Describe geometric interrelations earth materials, including estimates of thickness, aerial extent, volume and tonnage of materials to be mined.
 - c. Describe geologic conditions which could adversely affect project, considering earthquake faults, Special Studies Zones, County Fault Hazard Zones, ground shaking, landslides, mudflows, Liquefaction Hazard Areas, differential settlement, hydroconsolidation, collapsible or expansive soils, wind erosion, sedimentation, and inundation due to earthquake-induced dam failure. Discuss proposed mitigation.
5. Hydrology
 - a. Surface Water:
 - (1) Describe surface water characteristics of site considering drainage patterns, size of area that drains into site, proposed alteration of drainage patterns.
 - (2) Describe methods to insure positive drainage of site and to minimize adverse effects on adjacent property.
 - (3) If site is within a recognized floodway, 100 year floodplain, or an area subject to flash flooding, then describe methods to protect project from flood damage and to insure that project will not intensify flooding effects on surrounding property.
 - (4) If site is within or upstream of a groundwater recharge area, then discuss potential or project increase siltation of recharge area or to otherwise decrease its absorptive qualities. Describe methods to protect recharge area from these effects.
 - (5) If the operation will introduce any toxic substance, contaminate, or otherwise degrade the quality of stream run-off from the site, then describe methods to minimize these effects.
 - (6) If there are any stream gauging stations within the site, then describe methods to preserve or relocate the stations. (Coordinate with either the County Flood Control and Water Conservation District Office in Riverside or the United States Geological Survey in Laguna Niguel).
 - b. Ground water:
 - (1) Describe groundwater, subsurface geology, permeability, fault barriers, and structural constrictions in the basins, quantity, quality, and direction of flow.
 - (2) If groundwater is pumped by wells for use on, around, the site, then describe any adverse effects that may occur to the quantity, quality, or depth of groundwater, and describe methods to minimize these effects.
6. Soils – Describe the various soils on the site, including their physical and chemical characteristics, average thickness, erodibility, and land use capability.

7. Vegetation – Describe the types of vegetation which grow on and around the site, using common and scientific names. List Federal and/or State designated Rare, Threatened or Endangered Species on or near the site, and discuss proposed mitigation.
8. Wildlife – List species occurring on and around the site, using common and scientific names. List Federal and/or State designated Rare, Threatened or Endangered Species, if any, on or near the site, and discuss mitigation measures.
9. Habitat Conservation Plans – Describe consistency of project with applicable Habitat Conservation Plans. Describe protection plan and coordination of habitat restoration.
10. Describe the availability of water systems and sewage disposal at the site including proposed methods to provide such systems.

Mining

1. Mineral Commodity – Describe the mineral commodity to be mined.
2. Mining Operation – Briefly describe the proposed mining operation, including removal of vegetation and overburden, how the mineral commodity will be extracted, the equipment that will be used, and any proposed phasing of the operation including dates. State the anticipated hours of operation, the maximum anticipated noise levels during operating hours, the location and intensity of any lights to be used at the site and the methods of dust control and noise suppression to be employed at the site.
3. Project Life – Anticipated starting date, expected ending date, and expected life in years.
4. Size – Total acreage permitted or to be permitted, total acreage to be disturbed and total acreage to be reclaimed.
5. Excavations – Maximum depth in feet, maximum size in acres, maximum slope angle of walls, overall design slope, including benches and distance between benches. Provide verification by an engineering geologist or soils engineer that finished cut slopes will be stable.
6. Anticipated Production of Commodity – Volume and weight per year in cubic yards and tons and total commodity to be produced during life of permit, including waste material.
7. Planned Ore Processing Methods on Site – Dry screening, flotation, amalgamation, wet screening, crushing/grinding, washing, mechanical separation, smelting, leaching, batch plant, other.
8. Production Water Data
 - a. State the maximum and average quantity of water use in gallons per minute and acre-feet per year. Indicate the proposed or existing sources of water such as reservoirs, wells, ponds, diversions, municipal water supply, etc.
 - b. Wastewater disposed of in gallons per minute, wastewater disposed of in acre-feet per year, possible contaminants, including turbidity and wastewater disposal method. Indicate the volume of excess or wastewater which will have to be contained and/or disposed of during the mining operation. Include excess processing water, mine drainage, storm runoff from disturbed or utilized areas and any other water, which will be handled on the site. Describe anticipated or possible contaminants including processing chemical, detergents, acid drainage, turbid (muddy) water, fuel oil or gasoline, and runoff water which may contain fertilizer or other soil amendments.
9. Mine Wastes
 - a. Type(s) of waste to be produced, for example, topsoil, overburden, tailings, and sediment.
 - b. Amount of each type of waste to be produced per year.
 - c. Amount of each type of waste to be produced during the life of the mine
 - d. Disposal method for each type of waste.

10. Imported Wastes - If any imported materials, such as domestic garbage, chemicals, oil or other material will be disposed of on the project site, then describe what types, in what expected amounts, and what method of disposal.
11. Erosion and Sedimentation Control – Describe methods to prevent erosion and/or sedimentation of adjacent property due to waters discharged from the site. Also describe methods to protect stockpiles of mined materials from water and wind erosion.
12. Blasting – Procedures for storage and detonation of explosives, including notification of authorities, and methods to reduce effects on offsite structures and residents.
13. Truck Traffic – Number of daily trips, haul routes, safety measures.

Reclamation

1. Subsequent Uses – Describe proposed subsequent uses or potential uses for the reclaimed mined land.
2. Reclamation Schedule – Provide a schedule of the phasing of the reclamation, dates for each phase, and a description of the treatments. Indicate when reclamation is expected to begin (month and year) and when it will be completed. If reclamation is to be accomplished concurrent with mining, indicate at what time during the mining process (or give dates) it will be undertaken and accomplished. Explain what reclamation will be undertaken in each phase. Describe the time lag, which will occur between completion of each mining phase and the beginning of reclaiming the land, which was subject to the mining phase.
3. Future Mining – Describe how reclamation of site may effect future use of the property and adjacent or nearby property for mining purposes.
4. Public Safety – Describe what measures will be taken to ensure public health, safety (fences, gates, signs, hazard removal, etc.), giving consideration to the degree and type of present and probable future exposure of the public to the site.
5. Post-Reclamation – Describe in detail what the mined site will look like after it has been reclaimed.
6. Drainage and Erosion Controls – Describe how post-reclamation drainage will differ from the original site condition; discuss the possible effect of changes in the drainage on run-off, erosion, sedimentation, stream flow, and streambank stability.
7. Slopes and Slope Treatment – Discuss how cut and fill slopes, waste piles, and tailings will be stabilized to prevent landslides, earth flows, rock falls, and erosion (revegetation, benching, scaling, slope reduction, etc.). Provide verification by a soils engineer that all fill slopes steeper than 2:1 will be stable.
8. Pit Areas and Excavations – Describe how pit areas or excavations will be reclaimed (backfilled, regraded, top soiled, and revegetated, etc.). Explaining how the reclaimed site will be coordinated with present and future land uses and rendered compatible with the topography and general environment of surrounding property.
9. Ponds, Reservoirs, Tailings, Wastes
 - a. Describe how ponds, tailings, and/or mine wastes will be reclaimed (regraded, dewatered, capped, revegetated, removed, etc.).
 - b. If any dams or embankments are to remain after reclamation, describe type of dam, construction material, permeability, foundation characteristics, storage volume and design criteria (including design criteria for seismic hazards); prepare a cross section through dams or embankments showing design characteristics.
10. Cleanup – Describe methods and timing for removal, disposal or utilization of residual equipment, structures, refuse, etc.
11. Contaminants – Describe methods to control contaminants, especially with regard to surface runoff and groundwater.

12. Soils and Fine-Textured Waste – Describe the method of removal, storage, and replacement of topsoil; the mean thickness of topsoil or fines on the site after reclamation; testing to determine whether soil or mine wastes need to be modified to encourage plant growth.
13. Revegetation – Describe plant species and/or seed to be used; rate of seed application and/or spacing of plants; planting methods; time of year for planting; types and amounts of fertilizers, mulch, lime, etc.; site preparation (ripping, disking, soil additives, etc.); and irrigation system.
14. Monitoring and Maintenance
 - a. Describe any baseline monitoring that has been done to document present environment.
 - b. Describe maintenance program to ensure that revegetation is successful, and that public safety measures, water quality, erosion control treatment, etc., and are maintained.
15. Reclamation Assurance – Describe assurance mechanism(s) to guarantee reclamation of the site (bonding, letter of credit, trust fund, etc.).